(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 15 March 2001 (15.03.2001)

PCT

(10) International Publication Number WO 01/18517 A1

(51) International Patent Classification7: 19/12, 17/00, 7/08

G01L 19/08,

(21) International Application Number: PCT/GB00/03072

(22) International Filing Date: 9 August 2000 (09.08.2000)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

9920885.2

:==

6 September 1999 (06.09.1999)

- (71) Applicant (for all designated States except US): THE SECRETARY OF STATE FOR DEFENCE [GB/GB]; Defence Evaluation Research Agency, A4 Building, Ively Road, Farnborough, Hampshire GU14 0LX (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): TREEN, Andrew, Shaun [GB/GB]; DERA Farnborough, A7 Building, Room 1146, Ively Road, Farnborough, Hampshire GU14 OLX (GB). LAWRENCE, Chris, Robert [GB/GB]; DERA Farnborough, A7 Building, Room 1146, Ively Road, Farnborough, Hampshire GU14 0LX (GB). SWAN, Martin [GB/GB]; DERA Farnborough, A7 Building, Room GO69, Ively Road, Farnborough, Hampshire GU14

OLX (GB). WILLIAMS, John, Warren [GB/GB]; DERA Malvern LW2, St. Andrews Road, Malvern, Worcester WR14 3PS (GB).

- (74) Agent: BOWDERY, A., O.; D/IPD, DERA Formalities, A4 Building, Ively Road, Farnborough, Hampshire GU14 OLX (GB).
- (81) Designated States (national): AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

With international search report.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PRESSURE INDICATOR

(57) Abstract: A pressure indicator and a corresponding method are disclosed, the pressure indicator comprising a display diaphragm, obtionally transparent, and an indicator diaphragm coupled to and in fluid communication with the display diaphragm. In use, pressure is applied to the diaphragms, which may be amplified, whereby a change in the pressure applied causes relative movement between the diaphragms which is observable either on the outer surface of the display diaphragm or through the display diaphragm. The diaphragms may form a compartment preferably containing a liquid or gel. The indicator diaphragm may bear a recognisable configuration or pattern which can be coloured and may comprise a symbol or graphic projecting from its surface. The configuration or patiern may comprise at least two components, each component corresponding to a different pressure. Also disclosed is an inflatable device, especially a football or a tyre, comprising such a pressure indicator.